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PRODUCT NUMBER

XXXXX-YYY HTLF

LEAD FREE OPTION
SEE NOTE 1,11

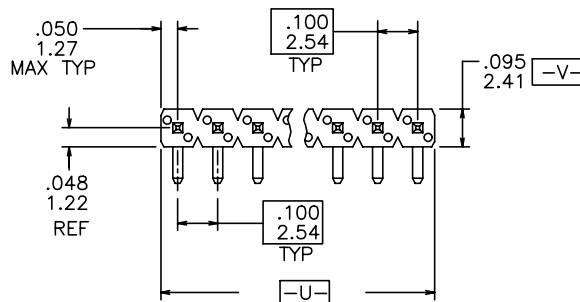
TUBE PACKAGING OPTION
SEE NOTE 1

HIGH TEMPERATURE PLASTIC
SEE NOTE 1

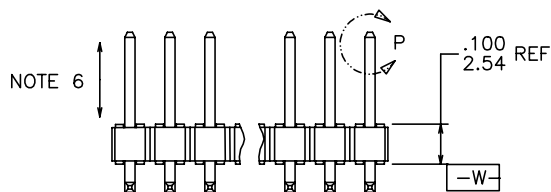
NO OF
POSITIONS
SEE NOTE 1

PIN PLATING
SEE SHEET 2

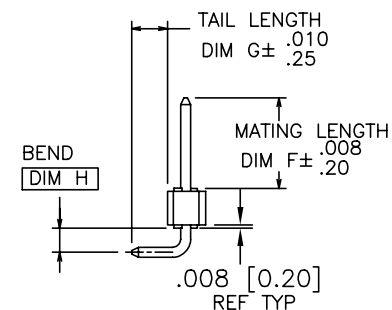
BASE PART NO.



TOP VIEW



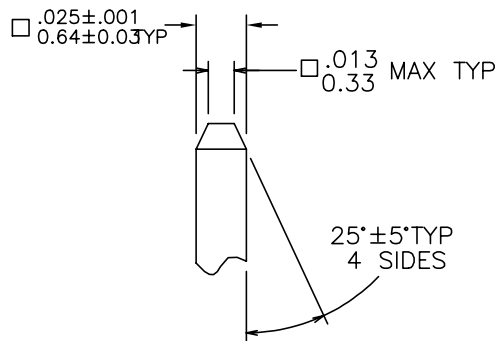
SIDE VIEW



END VIEW

Ø .020/0.51 (M) U (M) V (S) W

NOTE 4



DETAIL P
TYP BOTH ENDS

rev	ecn no	dr	date
AK	ELX-N-16105	ZK	2013-10-22
AL	ELX-N-17149	ZK	2014-03-07
CU	M05-0072	MHT	5/03/05
CV	M06-0435	MHT	10/31/06
AH	M08-0291	MHT	10/06/08
AJ	N11-0118	J.Z	2011-04-11

www.fciconnect.com			surface 6.4 ISO 1302 ✓		tolerance std ISO 406 ISO 1101		projection 		INCH/MM 				
			TOLERANCES UNLESS		OTHERWISE SPECIFIED								
Dr	D.WHITING	04/07/93	ANGULAR		LINEAR	0.X	±0.3	size A4	Scale 1.000				
Eng	T.HANNA	04/07/93				0.XX	±0.15						
Chr	T.HANNA	04/07/93	0° ±2°			0.XXX	±0.05		ECN				
Appr	T.HANNA	04/07/93	Product family			BERGSTIK		Spec ref					
		title				BERGSTIK® II HEADER				dwg no 69191		Rev AL	
						.100 SR R/A SELF-RET							
catalog no						CUSTOMER			sheet 1 of 4				

PIN PLATING CODES:

XXXX-1YY	30u"/0.76u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-2YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-3YY	50u"/1.27u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-4YY	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 1,13)
XXXX-4YYHLF	
XXXX-5YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-6YY	30u"/0.76u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-7YY	30u"/0.76u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-8YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-9YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-0YY	30u"/0.76u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni

NOTES

①. PART NUMBER OPTIONS:

PIN PLATING CODES (SEE ABOVE)

HIGH TEMP. MATERIAL:

FOR HIGH-TEMPERATURE APPLICATIONS, SPECIFY AN "H" AT THE END OF THE PART NUMBER, AND PCT WILL BE SUPPLIED.

NUMBER OF POSITION:

ANY NUMBER OF POSITIONS FROM 2 THRU 36.

PACKAGING:

PACKAGED IN POLY BAGS.

EIGHT DIGIT PART NUMBERS FOLLOWED BY A "T" ARE PACKAGED IN TUBES. SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.

LEAD FREE:

ADD "HLF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION, NOT AVAILABLE FOR -5YY, -5YYH, -6YY & -6YYH.

②. BODY MATERIAL:

MANUFACTURER'S OPTION OF NYLON OR PCT, GLASS FIBER REINFORCED, FLAME RETARDANT PER UL-94V-0.

COLOR: BLACK, OR MINERAL FILLES LCP, COLOR BLACK FLAME RETARDANT PER UL-94V-0

PART NUMBERS WITH "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.

PART NUMBERS WITHOUT "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR WAVE SOLDER PROCESS.

③. PIN MATERIAL: PHOS-BRONZE.

④. MEASURED WITH PART IN RESTRAINED CONDITION.

5. TWO SIDES OF PIN TIPS NOT PLATED, TYPICAL BOTH ENDS.

⑥. 2LBS/0.9KG MIN PIN RETENTION IN EITHER DIRECTION.

⑦. ±.010/0.25 ON DIM "F" APPLIES TO THIS PART ONLY.

8. 5LB/2.3KG MAX INSERTION FORCE AND .25LB/.1KG MIN RETENTION FORCE PER RETENTIVE PIN USING .062/1.57 THICK CIRCUIT BOARDS AND RECOMMENDED HOLE PATTERN.

⑧. DETAIL N DIMENSIONS APPLY TO 2 POSITION PARTS ONLY

⑨. SECTION R-R DIMENSIONS ONLY APPLY TO RETENTION. PIN POSITIONS FOR 3 POSITION PARTS AND LARGER. RETENTION PIN POSITIONS LOCATED AT MANUFACTURES OPTION.

⑩. SECTION S-S DIMENSIONS APPLY TO DUAL RETENTION PIN POSITIONS ONLY. SEE PRODUCT PART NUMBER FOR SINGLE OR DUAL SIDE RETENTION. LOCATED AT MANUFACTURER'S OPTION.

⑪. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

⑫. PLATING OPTIONS: PERFORMANCE PLATING WILL BE EITHER GOLD OR GXT ON POST OR TAIL, OPTIONALLY (.78~295u"/2~7.5u) TIN ON TAIL.

⑬. "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."

.100±.003 [2.54±.08]
TYP. NON-ACCUMULATIVE

Ø.040±.003 [1.02±.08]
TYP.

RECOMMENDED HOLE PATTERN

www.fciconnect.com			surface ISO 1302 ✓	tolerance std ISO 406 ISO 1101	projection A4	INCH/MM Scale 1.000
			TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	D.WHITING	04/07/93	ANGULAR 0° ±2°	LINEAR	size	
Eng	T.HANNA	04/07/93			A4	
Chr	T.HANNA	04/07/93			ECN	
Appr	T.HANNA	04/07/93	Product family		Spec ref	
			BERGSTIK® II HEADER		69191	Rev. AL
			.100 SR R/A SELF-RET			
			CUSTOMER		sheet 2 of 4	

1

2

3

4

A

B

C

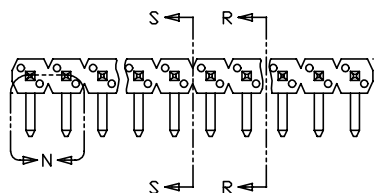
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A

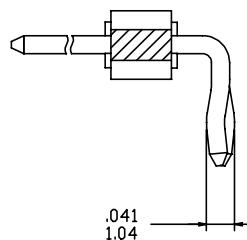
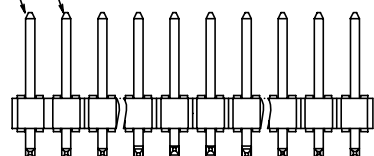
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C

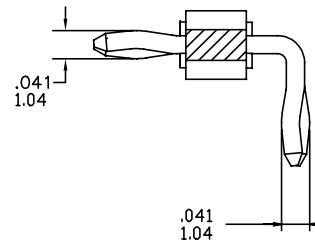
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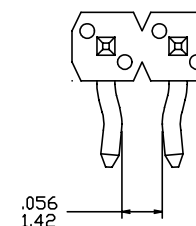
PDS. 2 ETC
PDS. 1



SECTION R-R
NOTE 9



SECTION S-S
NOTE 10



DETAIL N
NOTE 8

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www.fciconnect.com			surface ISO 1302 ✓		tolerance std ISO 406 ISO 1101		projection 		INCH/MM ←————→		
			TOLERANCES UNLESS OTHERWISE SPECIFIED								
Dr	D.WHITING	04/07/93	ANGULAR 0° ±2°	LINEAR	0.X	±0.3	size	A4	Scale 1.000		
Eng	T.HANNA	04/07/93			0.XX	±0.15					
Chr	T.HANNA	04/07/93			0.XXX	±0.05	ECN				
Appr	T.HANNA	04/07/93	Product family		BERGSTIK		Spec ref				
	title					BERGSTIK® II HEADER .100 SR R/A SELF-RET		dwg no		69191	Rev
											AL
	catalog no							CUSTOMER		sheet 3 of 4	

1

2

3

PDS: Rev :AL

STATUS:Released

Printed: Mar 10, 2014

1

2

3

4

PRODUCT NUMBER	MATING LENGTH		TAIL LENGTH		BEND DIM		RETENTION	PACKAGING	NOTES	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H				
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC				
69191-XYX	0.230	5.84	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS/TUBES	—	NOTE 1,11
72375-XYXH	0.240	6.10	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS	—	OB
78554-XYX	0.318	8.08	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS/TUBES	—	
78940-XYX	0.120	3.05	0.120	3.05	0.060	1.52	F MATE & G TAIL	POLY BAGS	7	OB
78952-XYX	0.120	3.05	0.318	8.08	0.135	3.43	F MATE	POLY BAGS	7	OB
79253-XYX	U N A V A I L A B L E									
84825-XYXH	0.354	9.00	0.102	2.60	0.060	1.52	G TAIL	POLY BAGS	—	OB
84851-XYXH	0.140	3.56	0.290	7.37	0.153	3.89	G TAIL	POLY BAGS	—	OB
86641-XYX	0.120	3.05	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS	—	
87018-XYX	U N A V A I L A B L E									
87844-XYX	U N A V A I L A B L E									
87965-XYX	U N A V A I L A B L E									
88869-XYX	0.120	3.05	0.230	5.84	0.135	3.43	F MATE	POLY BAGS	7	OB
90304-XYX	0.165	4.19	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS	—	OB
90604-XYX	U N A V A I L A B L E									
90609-XYX	U N A V A I L A B L E									NOTE 1,11
90638-XYX	0.120	3.05	0.262	6.65	0.060	1.52	F MATE	POLY BAGS/TUBES	7	OB
90640-XYX	0.120	3.05	0.262	6.65	0.127	3.23	F MATE	POLY BAGS	7	OB
94669-XYXH	0.230	5.84	0.085	2.16	0.060	1.52	G TAIL	POLY BAGS	—	OB
94670-XYXH	0.400	10.16	0.085	2.16	0.060	1.52	G TAIL	POLY BAGS	—	OB
10100500-XYXH	0.177	4.50	0.120	3.05	0.043	1.10	G TAIL	POLY BAGS	—	

A

B

C

D

REV F - 2006-04-17

1

2

3

4

PDS: Rev :AL

STATUS:Released

Printed: Mar 10, 2014



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D

www.fciconnect.com			surface ISO 1302 ✓		tolerance std ISO 406 ISO 1101		projection 		INCH/MM ←————→		
			TOLERANCES UNLESS		OTHERWISE SPECIFIED						
Dr	D.WHITING	04/07/93	ANGULAR	LINEAR	0.X ±0.3		size A4	Scale 1.000			
Eng	T.HANNA	04/07/93			0.XX ±0.15						
Chr	T.HANNA	04/07/93			0° ±2° 0.XXX ±0.05						
Appr	T.HANNA	04/07/93	Product family		BERGSTIK		Spec ref				
		title BERGSTIK® II HEADER .100 SR R/A SELF-RET				dwg no 69191		Rev AL			
		catalog no									
		CUSTOMER									
								sheet 4 of 4			